

KOLCHIN, V.Ye.; VUL'FSON, N.S.

Dieckmann condensation. Part 10: Synthesis of 2-
and 4-carbomethoxy-3-ketohydrothiophenes and
4-carbomethoxy-3-ketotetrahydrofuran. Zhur.ob.khim.
32 no.11:3731-3734 N '62. (MIRA 15:11)
(Thiophene) (Furan)
(Dieckmann condensation)

KOCHETKOV, N. K.; VUL'FSON, N. S.; CHIZHOV, O. S.; ZOLOTAREV, B. M.

Mass spectrometry of carbohydrates. Methyl ethers of monosaccharides. Dokl. AN SSSR 147 no.6:1367-1372 D '62.
(MIRA 16:1)

1. Institut khimii prirodnnykh soyedineniy AN SSSR. 2. Chlen-korrespondent AN SSSR (for Korshak).

(Monosaccharides—Spectra)

KOCHETKOV, N. K.; VULFSON, N. S.; CHIZHOV, O. S.; SOLOTAREV, B. M.

Co-author of a paper entitled, "The Use of Mass Spectrometry in Carbohydrate Research".

19th International Congress of Pure and Applied Chemistry *163 London 16-17 Jul 63*

Institute for Chemistry of Natural Products, USSR Academy of Sciences.

VUL'FSON, N.S.; ZARETSKIY, V.I.; CHETVERIKOVA, L.S.

Thin layer chromatography of natural coumarins and furanocoumarins.
Izv. AN SSSR. Ser. khim. no. 8:1503-1505 Ag '63. (MIRA 16:9)

1. Institut khimii prirodnikh soedineniy AN SSSR.
(Coumarin) (Chromatographic analysis)

VUL'FSON, N.S.; STEPANOV, V.M.; PUCHKOV, V.A.; ZYAKUN, A.M.

Mass spectra of phenylthiohydantoins of amino acids. Izv. AN
SSSR. Ser. khim. no. 8: 1524-1525 Ag '63. (MIRA 16:9)

1. Institut khimii prirodnnykh soyedineniy AN SSSR.
(Amino acids) (Hydantoin) (Mass spectrometry)

VUL'FSON, N.S.; ZARETSKIY, V.I.

Dieckmann reaction. Reakts. org. soed. 12:7-257 '63.
(MIRA 16:7)

(Dieckmann condensation)

VUL'FSON, N.S.; ZARETSKIY, V.I.; ZAIKIN, V.G.

Mass spectrometric study of natural coumarins. Izv. AN SSSR.
Ser. khim. no.12:2215-2218 D '63. (MIRA 17:1)

1. Institut khimii prirodnnykh soyedineniy AN SSSR.

VUL'FSON, N.S.

Natural dyeing substances. Usp. khim. 32 no.6:653-670 Je '63.
(MIR: 16:8)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(Coloring matter)

VUL'FSON, N.S.; PODREZOVA, T.N.

Studies of Dieckmann reaction. Part 11: 4-Carbethoxy-3-chromanone.
Zhur.ob.khim. 33 no.12:3888-3893 D 63. (MIRA 17:3)

1. Institut khimii prirodnikh soyedineniy AN SSSR i Nauchno-issle-
dovatel'skiy institut organicheskikh poluproduktov i krasiteley
AN SSSR.

KOCHETKOV, N.K.; VUL'FSON, N.S.; CHIZHOV, O.S.; ZOLOTAREV, B.M.

Mass spectrometric study of carbohydrates. Methyl ethers and acetates of glucosides. Dokl. AN SSSR 151 no.2:336-339 J1 '63. (MIRA 16:7)

1. Institut khimii prirodnnykh soyedineniy AN SSSR. 2. Chlen-korrespondent AN SSSR (for Kochetkov).
(Glycosides) (Mass spectrometry)

VULFSON, N.S.; ZARETSKIY, V.I.; PUCHKOV, V.A.; ZAIKIN, V.G.; SHKROB, A.M.;
ANTONOV, V.A.; SHEMYAKIN, M.M., akademik

Mutual transformations of cyclols and cyclodepsipeptides, studied
by the method of fragmentary mass spectrometry. Dokl. AN SSSR
153 no.2:336-339 N '63. (MIRA 16:12)

1. Institut khimii prirodnkh soyedineniy AN SSSR.

TOVAROVA, I. I.; KORNITSKAYA, Ye. Ya.; PUCHKOV, V. A.; VUL'FSON, N. S.; KHOKHLOV, A. S.

"A study of streptomycin biosynthesis."

report submitted for Antibiotics Cong, Prague, 15-19 Jun 64.

Inst for Chemistry of Natural Compounds, AS USSR, Moscow.

VUL'FSON, N.S.; TORGOV, I.V.; ZARETSKIY, V.I.; LEONOV, V.N.; ANANCHENKO, S.N.;
ZAIKIN, V.G.

Mass spectrometric determination of the configuration of epimeric
tert. alcohols in the D-homosteroid series. Izv.AN SSSR.
Ser.khim. no.1:184-186 Ja '64. (MIRA 17:4)

1. Institut khimii prirodnikh soyedineniy AN SSSR.

ZARETSKIY, V.I.; VOL'FSON, N.S.

Synthesis of diethyl ester of α,β -dicarboethoxyadipic acid.
Izv. AN SSSR. Ser. khim. no. 5:925-926 1964. (MIRA 17:6)

1. Institut khimii prirodnikh soyedineniy AN SSSR.

ZARETSKIY, V.I.; VUL'FSON, N.S.

Methylation of 3-methyl-2,6-dicarbetoxy-cyclohexane. Zhur.ob.khim. 34
no.1:276-277 Ja '64. (MIRA 17:3)

1. Institut khimii prirodnikh soyedineniy AN SSSR.

VUL'FSON, N.S.; ZARETSKIY, V.I.

Dieckmann reaction. Part 12: Cyclization of diethyl esters of β -carbethoxy- and $\beta\beta$ -dicarbethoxyadipic acid. Zhur. ob. khim. 34 no. 3:828-832 Mar '64. (MIRA 17:6)

1. Institut khimii prirodnikh soyedineniy AN SSSR.

VUL'FSON, N.S.; ZHURINA, F.G.; SENYAVINA, L.B.

Reformatskii reaction with bromomalonate ester. Part 3:
Further study of the reaction of bromomalonate ester with
benzaldehyde. Zhur. ob. khim. 34 no.7:2344-2347 J1 '64
(MIRA 17:8)

1. Institut khimii prirodnikh soyedineniy AN SSSR i Nauchno-
issledovatel'skiy institut organicheskikh poluproduktov i
krasitel'ov.

VUL'FSON, N.S.; KOLCHIN, V. Ye.

Derivatives of acylacetic esters of the heterocyclic series.
Part 5: Synthesis of isonicotinoyl ester, arylides, and
azomethine dyes produced from them. Zhur. ob. khim. 24 no.7:
2387-2390 Ji '64 (MIRA 17:8)

1. Institut khimii prirodnykh soedineniy AN SSSR i Nauchno-
issledovatel'skiy institut organicheskikh poluproduktov i
krasiteley.

VUL'FSON, N.S.; SAVENKOVA, Ye.V.; SENYAVINA, L.B.

Claisen-Schmidt reaction with heterocyclic analogs of
o-hydroxyacetophenone. Part 1: Condensation of dehydracetic
acid with benzaldehyde. Zhur. ob. khim. 34 no.8:2743-2747
Ag '64. (MIRA 17:9)

1. Institut khimii prirodnkh soyedineniy AN SSSR i Nauchno-
issledovatel'skiy institut organicheskikh poluproduktov i
krasiteley.

ACCESSION NR: AP5011025

UR/0779/64/034/C11/3655/3659

AUTHOR: Zaretsky, V. I.; Vul'fuon, N. S.; Chatterikova, L. S.; Zaikin, V. G. ¹₂₃

TITLE: Mass spectroscopic investigation of heterocyclic compounds. Structure of peumorisin--a new natural hydroxycoumarin, isolated from Peucedanum Morisonii Bess

SOURCE: Zhurnal obshchey khimii, v. 34, no. 11, 1964, 3655-3659

TOPIC TAGS: heterocyclic base compound, mass spectroscopy, botany, pharmacology, pharmacology

Abstract: A new hydroxycoumarin -- peumorisin -- has been isolated from the roots of Morison's brimstone-wort (Peucedanum Morisonii Bess., family Umbelliferae). A mass spectrometric fragment analysis established that peumorisin is 7-hydroxy-8-(3'-methylene-7'-methyloctene-5'yl-1')-coumarin. The infrared and ultraviolet spectra of the compounds are also cited and compared with those of derivatives and analogs. Orig. art. has 7 formulas and 4 graphs.

ASSOCIATION: none

SUBMITTED: 29Jul63

ENCL: 00

SUB CODE: LS, OP

NO REF SOV: 002

OTHER: 001

JPBS

Card 1/1

STEPANOV, V.M.; VUL'FSON, N.S.; PUCHKOV, V.A.; ZYKII, A.M.

Mass spectrometry of amino acid derivatives. Mass spectra of phenylthiohydantoins of aliphatic amino acids, phenylalanine, tyrosine, and proline. Zhur. ob. khim. 34 no.11:3771-3779 N '64 (MIRA 18:1)

1. Institut khimii prirodnikh soedineniy AN SSSR.

VUL'FSON, N.S.; ZARETSKIY, V.I.; ZAIKIN, V.G.

Mass spectrometry of natural furanocoumarins. Dokl. AN SSSR
155 no. 5:1104-1107 Ap '64. (MIRA 17:5)

1. Institut khimii prirodnikh soyedineniy AN SSSR. Predstavleno
akademikom M.M.Shenyakinym.

ZARETSKIY, V.I.; VUL'FSON, N.S.; SADOVSKAYA, V.I.; ANANCHENKO, S.N.; TORGOV, I.V.

Mass spectrometry of D-homoequilenin, D-homoeosterone, and their stereoisomers. Dokl. AN SSSR 158 no.2:385-388 S '64. (MIRA 17:10)

1. Institut khimii prirodnikh soyedineniy AN SSSR. Predstavleno akademikom M.M.Shemyakinym.

PREOBRAZHENSKAYA, M.N.; ORLOVA, L.M.; SAVEL'YEVA, I.; KISIN, A.V.;
ZARETSKIY, V.I.; VUL'FSON, N.S.; SUVOROV, N.

Synthesis and study of racemic indolemycin and isoindolemycin
acids. Dokl. AN SSSR 166 no.3:611-614 Ja '66.

(MIRA 19:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy
institut im. S.Ordzhonikidze i Institut khimii prirodnikh soedineniy
AN SSSR. Submitted May 4, 1965.

BOCHKAREV, V.N.; PUCHKOV, V.A.; VUL'FSON, M.S.; SHEMYAKIN, M.N.; OVCHINNIKOV,
Yu.A.; KIRYUSHKIN, A.A.; IVANOV, V.T.; VINOGRADOVA, Ye.I.; ALDANOVA, N.A.

Depsipeptides. Part 51: Mass spectrometric study of cyclotetradepsipep-
tides of regular structure. Khim.prirod.soad. 1:52-58 '65.

(MIRA 18:6)

1. Institut khimii prirodnikh soyedineniy AN SSSR.

#1 59633-65

ACCESSION NR: P5011025

UR/0019/64/034/011/1655/1659

AUTHOR: Zarutskiy, V. I.; Vul'fson, N. S.; Chetverikova, L. S.; Zaikin, V. G. 15

TITLE: Mass spectroscopic investigation of heterocyclic compounds. Structure of pneumorisin--a new natural hydroxycoumarin, isolated from Peucedanum Morisonii Bess. B

SOURCE: Zhurnal obshchey khimii, v. 34, no. 11, 1964, 3655-3659

TOPIC TAGS: heterocyclic base compound, mass spectroscopy, botany, pharmacognosy, pharmacology

Abstract: A new hydroxycoumarin -- pneumorisin -- has been isolated from the roots of Morison's brimstone-wort (Peucedanum Morisonii Bess., family Umbelliferae). A mass spectrometric fragment analysis established that pneumorisin is 7-hydroxy-8-(3'-methylene-7'-methyloctene-6'-yl-1')-coumarin. The infrared and ultraviolet spectra of the compounds are also cited and compared with those of derivatives and analogs. Orig. art. has 7 formulas and 4 graphs.

ASSOCIATION: none

SUBMITTED: 29Jul65

EXCL: 00

SUB CODE: LS, OP

NO REF SOV: 002

OTHER: 001

JPRS

Card 1/1 ddp

KOCHETKOV, N.K.; VUL'FSON, N.S.; CHIZHOV, O.S.; ZOLOTAREV, B.M.

Mass spectrometric study of carbohydrates. Report No.3: Mechanism
of decomposition of 2,3,4,6-tetramethyl- α -methyl-D-glycoside. Izv.
AN SSSR. Ser. khim. no.5:776-785 '65. (MIRA 18:5)

1. Institut khimii prirodn'kh soedinen'iy AN SSSR.

VUL'FSON, P.L.

Nitrogenous extractives in fish muscles. Biokhimiia 26 no.2:300-304 Mr-Apr '61. (MIRA 14:5)

1. Chair of Animal Biochemistry, State University, Moscow.
(NITROGEN METABOLISM) (FISHES—PHYSIOLOGY)

VULFSON, P.L., SEVERIN, S. ⁴E., MESHKOVA, N. P., SHESTAKOV, S. V., (USSR)

"Effect of Carnosine and Anserine Dipeptides on the
Metabolism of Skeletal Muscle."

Report presented at the 5th Int'l. Biochemistry Congress,
Moscow, 10-16 Aug 1961.

VUL'FSON, V.I., kand.khimich.nauk

"Water treatment and water cycles of steam-turbine electric power plants" by M.S.Shkrob and F.G.Prokhorov. Reviewed by V.I.Vul'fson.
Elek. sta. 33 no.10:92-93 0 '62. (MIRA 16:1)
(Bibliography--Electric power plants--Water supply)
(Bibliography--Steam turbines)
(Shkrob, M. S.) (Prokhorov, F. G.)

VUL'FSON, P. L. (Moskva)

Comparative biochemical analysis of amino acids and dipeptides
in muscular tissue. Usp. biol. khim. 4:81-92 '62.
(MIRA 15:7)

(AMINO ACIDS) (DIPEPTIDES) (MUSCLE)

VUL'FSON, P.L.

Carbohydrate-phosphorus and oxidation metabolism of the skeletal muscles in ontogenesis. Biokhimiia 20 no.2:179-187 Mr-Apr '55.
(MLRA 8:8)

1. Kafedra biokhimiia zhivotnykh Moskovskogo gosudarstvennogo universiteta im. M.V. Lomonosova.

(MUSCLES, metabolism,
carbohydrates, phosphorus & oxidation, embryonic
& postnatal rabbits)

(CARBOHYDRATES, metabolism,
musc., embryonic & postnatal rabbit musc.)

(PHOSPHORUS, metabolism,
musc., embryonic & postnatal rabbit musc.)

~~VUL'FSON, P.L.~~

Extractive nitrogenous substances of muscles in ontogeny [with summary in English]. Biokhimiia 23 no.2:300-306 Mr-Apr '58 (MIRA 11:6)

1. Kafedra biokhimii zhivotnykh Biologo-pochvennogo fakul'teta Moskovskogo gosudarstvennogo universiteta im. M.V. Lomonosova.

(PEPTIDES, determination

in musc. of embryo ducks & ducklings at various stages of develop. (Rus))

(AMINO ACIDS, determination

in musc. of embryo ducks & ducklings at various stages of develop. (Rus))

(MUSCLES, metabolism

dipeptide & amino acid content in embryo ducks & ducklings at various stages of develop. (Rus))

SEVERIN, S.Ye.; VUL'FSON, P.L.

Nitrogenous extractives in fish muscles. *Doklady Akad. Nauk SSSR* 24 no.6:
1002-1009 N-D '59. (MIRA 13:5)

1. Chair of Animal Biochemistry, the State University, Moscow.
(NITROGEN)
(FISH)

SEVERIN, S.Ye.; VUL'FSON, P.L.; TRANDAFILOVA, I.L.

Carnosine content in different parts of frog muscles. Dokl.AN
SSSR 145 no.1:215-217 J1 '62. (MIRA 15:7)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
2. Chlen-korrespondent AN SSSR (for Severin).
(CARNOSINE) (MUSCLE)

SEVERIN, S.Ye.; BOCHARNIKOVA, I.M.; VUL'FSON, P.L.; GRIGOROVICH, Yu.A.;
SOLOV'YEVA, G.A.

Biological role of carnosine. Biokhimiia 28 no.3:510-516 My-Je '63.
(MIRA 17:2)

1. Chair of Animal Biochemistry, State University, Moscow.

SEVERIN, S.Ye.; VUL'FSON, P.L.; SKOLYSHEVA, D.K.

Effect of imidazole and acetylimidazole on the properties of
phosphorylase b. Dokl. AN SSSR 166 no.1:232-241 Ja '66.
(MIRA 19:1)

1. Moskovskiy gosudarstvennyy universitet. 2. Chlen-korrespondent
AN SSSR (for Severin). Submitted July 23, 1965.

VUL'FSON, P.L.; SKOLYSHEVA, L.K.

Activity of muscular phosphorylase "b" under various conditions
of pericrystallization and storage. Vop. med. khim. 11 no.1:99-101
Ja-F '65. (MIRA 18:10)

1. Kafedra biokhimii zhivotnykh Moskovskogo gosudarstvennogo
universiteta.

VUL'FSON, P. L.

"Carbohydrate-Phosphorus and Oxidizing Metabolism of the Skeletal Musculature of Rabbits in the Process of Ontogenesis." Cand Biol Sci, Moscow Order of Lenin State U imeni M. V. Lomonosov, 19 Feb 54. Dissertation (Vechernyaya Moskva Moscow 8 Feb 54)

SO: SUM 186 19 Aug 1954

VUL'FSON, P.L.

—Extractable nitrogenous substances of muscle tissues in the process of ontogenesis. P. L. Vul'fson and S. B. Severin (Moscow State Univ.). *Ukrain. Biokhim. Zhur.* 27, 293-294 (1965) (in Russian). —Two groups of gestating sows were used. The controls were fed a standard diet. The exptl. group was given an ad lib. 30% of balanced proteins and five times the vitamin A ration. At intervals embryos were removed from their mothers and qual. and quant. detns. made of the extractives of the skeletal muscles. In the early stages of the embryonic development the glutamic acid is high. It soon begins to diminish and in young pigs (one month old) it constitutes only a minor part of the N extractives of the muscles. The aspartic acid content is lower than that of glutamic acid, and it, too, diminishes as the embryo develops. The glycine content of muscle increases in the early stages up to one-month-old pigs. The content of alanine is high and remains so throughout the period of the embryo development. β -Alanine is high at first, but disappears in pigs one month old. At this stage the appearance of carnosine becomes manifest. By means of the diazo reagent it was shown that some carnosine is present in embryo 65 days old; in embryos 90 days old its content increases and in the skeletal muscles of piglets one month old carnosine is present to the extent of 500 mg. % on the basis of dry wt. No histidine was found. The general trend of analytical results was the same in the controls as in the richly fed animals, but the level of the data values was higher in the latter. B. S. I.

①

VUL'FSON, R. KH.

SHAKHBAZIAN, G. Kh., professor (Kiyev); KULIK, G. I. (Kiyev); VUL'FSON, R. Kh.
(Kiyev)

Preventing caries in adolescents by increased vitamin intake.

Probl. stom. 3:19-22 '56

(MLRA 10:5)

(TEETH--DISEASES) (VITAMIN THERAPY)

VERESHCHAGIN, A.N.; VUL'FSON, S.G.

Calculation of the induced effect of two dipoles. Teoret. i
eksper. khim. 1 no.3:305-310 My-Je '65. (MIRA 18:9)

1. Kazanskiy gosudarstvennyy universitet imeni V.I. Ul'yanova-
Lenina.

ARBUZOV, B.A.; VERESHCHAGIN, A.N.; WILFSON, S.G.

Dipole moments and the structure of methacrylonitrile adducts
with some cyclic dienes. Izv. AN SSSR Ser. khim. no.1:155-158
'65. (MIRA 18:2)

1. Kazanskiy gosudarstvennyy universitet im. V.I. Ul'yanova-Lenina.

VUL'FSON, S.I.

FEL'DMAN, A.I.; VUL'FSON, S.I.

[Diseases of the ear and the upper respiratory organs in children]
Bolezni uha i verkhnikh dykhatel'nykh putei v detskom vozraste.
5-oe izd., perer. i dop. Moskva, Medgiz, 1957. 385 p. (MIRA 10:11)
(EAR--DISEASES) (RESPIRATORY ORGANS--DISEASES)

VUL'FSON, S. I.

17(8)

SOV/177-58-9-45/51

AUTHOR: Wul'fson, S.I., Colonel of the Medical Corps
TITLE: A Connecting Piece for the Laryngeal Syringe
PERIODICAL: Voenno-meditsinskiy zhurnal, 1958, Nr 9, p 95 (USSR)
ABSTRACT: The author suggests a modified connecting piece for the laryngeal syringe (Figures 1 and 2). It has a lateral slot which permits one to put the fixing ring on at the bottom of the endpiece, through the slot, without touching it throughout the whole length. It corresponds much more with the rules of antisepsis, than the one formerly used. There are 2 diagrams.

Card 1/1

VUL'FSON, S.I., doktor med.nauk (Moskva)

Peculiarities of inflammation of the middle ear in infants and young
children. Med. sestra 20 no.3:20-23 Mj. '61. (MIRA 14:5)
(EAR—DISEASES)

FEL'DMAN, Aleksandr Isidorovich [deceased]; VUI'FSON, Solomon
Isaakovich; KALINA, V.O., red.

[Diseases of the ear and upper respiratory tract in
children] Bolezni ukha i verkhnikh dykhatel'nykh putei v
detskoi vozraste. 6-3 izd. perer. i dop. Moskva, Medi-
tsina, 1964. 399 p. (MIRA 17:5)

VUL'FSON, S.I., polkovnik med.slushby

Needle coupling for a laryngeal syringe. Voen.-med.zhur. no.9:93
S '58.

(MIRA 12:12)

(SYRINGES)

ALEKSANDROV, I.M., doktor med.nauk; VUL'FSON, S.I., doktor med.nauk;
PNEOBRAZHENSKIY, N.A., kand.med.nauk

Professor Vladimir Gertsevich Ginzburg: on his 60th birthday.
Vest.otorin. 21 no.3:104 My-Je '59. (MIRA 12:9)

(BIOGRAPHIES

Ginzburg, Vladimir G. (Rus))

S/179/60/000/01/022/034
E081/E535

AUTHOR: Vul'fson, S.Z. (Moscow)

TITLE: Thermal Stresses in Concrete Blocks, Allowing for Creep
of the Concrete

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh
nauk, Mekhanika i mashinostroyeniye, 1960, Nr 1,
pp 162-165 (USSR)

ABSTRACT: According to the hereditary theory the law of deformation
for uni-axial stress systems is written in the form (1.1),
of which the solution is (1.2), where $K(t - \tau)$ is the
after effect kernel and $R(t - \tau)$ is the relaxation kernel;
the form of $K(x)$ is found experimentally. The after-
effect kernel suggested in Ref 3 is (1.3), with Γ the
gamma function, and the corresponding equation for the
relaxation kernel is (1.4). For aged concrete, the best
approximation to experimental results is given by the
after-effect kernel (1.5) (Refs 2,4). The resolvent of
Eq (1) with kernel (1.5) is written in series form (1.6).
According to Volterra's principle for the solution of

Card 1/3 creep problems (hereditary elasticity), the elastic

S/179/60/000/01/022/034
E081/E535

Thermal Stresses in Concrete Blocks, Allowing for Creep of the Concrete

constants must be represented as integral operators. For instance, in one dimensional problems, the elasticity modulus is represented by (1.10). If the concrete is subjected to a constant or variable temperature, the distribution of which is given by (2.1), the thermo-elastic stresses are then given by (2.2). On the basis of (1.10) and (1.13) (equality of Poisson's ratio in the elastic and plastic stages of deformation), the stresses according to Volterras principle, allowing for creep, can be written as (2.3), and taking (1.5) for the kernel of the after effect function, $T^{\star}_k(t)$ is then found as Eq (2.5). Particular cases are considered as follows: a) Steady flow of heat. Using (2.3) and (2.5), the stresses are obtained as (2.6). b) Harmonic variation of temperature in the surrounding medium. In this case, the stresses are given by (2.8) and $T^{\star}_k(t)$ from (2.5) by (2.9). For sufficiently large time intervals (2.9) becomes (2.11) and the stresses are given by (2.14).

Card 2/3 Thus, after a sufficient time has elapsed the stresses

S/179/60/000/01/022/034
EO81/E535

Thermal Stresses in Concrete Blocks, Allowing for Creep of the Concrete

vary harmonically. Comparing (2.8) and (2.14) it is found that under the influence of the creep the vibration amplitude decreases by a factor Ψ (Eq 2.13), and the initial phase increases by γ_1 (Equation between (2.14) and (2.15)). c) Symmetrically cooled concrete plate. The stresses are given by Eq (2.15); taking one term for simplicity, $T^{\text{II}}(t)$ is obtained as (2.16). The function $T^{\text{II}}(t)$ passes through zero at $t = t_0$ which is a root of the equation (2.17), and passes through a minimum at $t = t_1$, where t_1 is a root of (2.18). Thus, $T^{\text{II}}(t)_{\text{min}}$ is given by (2.19). This behaviour differs from the elastic case, and appreciable corrections are required to the elastic solution to allow for creep. There are 4 Soviet references.

SUBMITTED: July 9, 1959

Card 3/3

VUL'FSON, V., kand. khim. nauk, dotsent

Oil extraction from the condensate and the technical characteristics of filter materials and marine feedwater heaters. Mor. flot 23 no.9:29-31 S '63. (MIRA 16:11)

1. Kafedra khimii Leningradskogo vysshego inzhenernogo morskogo uchilishcha im. admirala Makarova.

TEST AND PROPERTIES																									
TEST AND PROPERTIES													PROCESSES AND PROPERTIES INDEX												
<p>Corrosion of high-pressure boilers. I. V. I. Vulfson. <i>Sovetskaya Vysokoyego Inst. Metal.</i> 7, 18-19 (1931). The causes for the corrosion of high-pressure boilers were investigated in 2 power stations, the first of which works according to the condensation, the second according to the counter-pressure principle. In the first station, the boilers were found in good condition, because here, according to V., the water was subjected to a purification process ($Al_2(SO_4)_3$ and filtration). In the second station, the condensation water was not purified; consequently considerable corrosion had taken place. H. Cohen</p>																									
<p>ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																									

1ST AND 2ND PREFIX		PROCESSOR AND PROPERTY INDEX		3RD AND 4TH PREFIX	
<p>Calculation of the sodium number. V. I. Vyl'son. <i>Repts. Inst. Metals (Leningrad) No. 15, 170 82 (in German 1933) (1033).</i>—A formula is given for the amts. of free NaOH formed through hydrolysis of NaHCO_3 and Na_2CO_3 introduced into boiler water: $N = (0.22 - 0.51K)R$, where N is Na no., K is degree of hydrolysis and R the amt. of NaHCO_3 or Na_2CO_3 in mg. per l. in the boiler water. S. I. Malofsky</p>					
<p>ASME-ISA METALLURGICAL LITERATURE CLASSIFICATION</p>					
<p>12000 00000 00000 00000 00000 00000</p>					

PROCESSING AND PROPERTY DATA																									
COMMON ELEMENTS													OTHER ELEMENTS												
GROUP 1													GROUP 2												
CO													9												
<p>Durability of phosphatic coatings in steam boilers. V. I. Vul'fson and L. I. Mikhailov. <i>Repts. Central Inst. Metall.</i> (Leningrad) No. 17, 217-21 (in English 221) (1934).—Samples of Fe, analyzing C 0.14, Si trace, P 0.029, S trace, Cu 0.16, Cr 0.05, Ni trace and Mn 0.5%, were phosphatized as follows: samples were first degreased by immersion for 10 min. in a 15% NaOH soln. at (40-50)°, then washed with H₂O, immersed in 10% HCl soln. at (55-55)° and finally phosphatized by immersion in 3% phosphatic salt soln. (PO₄— 55-60, Mn++ 13-16, Fe++ 2-3 and SO₄— 0.2-0.3%) at 90-8°. In the last immersion, a violent liberation of H₂ took place during the 1st 30-35 min. Samples were kept in soln. for another 15 min. Corrosion tests of the phosphatized samples were made in an autoclave in water from the Neva river and Black sea, under pressure up to 12 atm. The phosphatic coating was resistant in Neva water up to 12 atm., and in sea water up to 6 atm. The coatings were also studied micrographically. S. L. Matorsky</p>																									
ASB-314 METALLURGICAL LITERATURE CLASSIFICATION																									
GROUP 1 GROUP 2 GROUP 3 GROUP 4 GROUP 5 GROUP 6 GROUP 7 GROUP 8 GROUP 9 GROUP 10 GROUP 11 GROUP 12 GROUP 13 GROUP 14 GROUP 15 GROUP 16 GROUP 17 GROUP 18 GROUP 19 GROUP 20 GROUP 21 GROUP 22 GROUP 23 GROUP 24 GROUP 25 GROUP 26																									

<p>co</p>																										<p>9</p>																									
<p>The work of the Leningrad Metal Institute on iron alloys for chemical machinery. V. I. Viltson. <i>Trudy V. I. Mendeleev. Centr.</i> 1962, 2, 200-201. <i>Cast Iron</i> contg. C about 3.5, S 1.5, Mn 0.6, and P less than 0.05%, alloyed with Sn 2% and Cu 1.6%, was most resistant to 10% H₂SO₄ and 10 and 20% CH₃COOH at room temp.; the mechanical properties of the alloy per-</p>																																																			
<p>mit its use in objects that are not subjected to severe strains in service. For addns. of Sb and Cu the heat ratio of Sb to Cu is 0.8: 1-1.5% of the combination added to the cast iron is sufficient. Increased acid resistance, especially against HCl and at room temp. resulted. Steel alloyed with up to 0.81% of tin, about 5.2% of copper or 2.87% of tin + copper had increased resistance to 3.5% HCl and 4.5%, 10% and 62% H₂SO₄. Addn. of about 1% was sufficient to give the highest resistance. Monel and nickel cast iron gave best results with dil. H₂SO₄. Al steel (10-14% Al) possessing refractory properties can be subjected to mechanical treatment and can be used when high mechanical strength is not necessary. Preliminary tests of nonnickel (chromium) steels demonstrated their high resistance to H₂Nh and resistance to corrosion. P. P. Stefanovsky</p>																																																			
<p>ASB-154 METALLURGICAL LITERATURE CLASSIFICATION</p>																																																			

6A

Formation of scale in the pipes of a contact condenser.
V. I. Vul'gin. *Khimiya Prom.* 1939, No. 4, 20-1;
Khim. Referat. Zhur. 1940, No. 3, 128. — The presence of
NH₃ in the circulating water caused deposition of scale up
to 12-14 mm. thick. The reactions forming the deposit
in the presence of NH₃ are given. The scale can be re-
moved by rubbing it with 3-4% HCl or H₂SO₄.
W. R. Henn

ASS. S. L. A. DETAIL ORG. LITERATURE CLASSIFICATION

ENCL. 51062100

SEARCHED SERIALIZED

INDEXED

FILED

1940

1941

1942

1943

1944

1945

1946

1947

1948

1949

1950

1951

1952

1953

1954

1955

1956

1957

1958

1959

1960

1961

1962

1963

1964

1965

1966

1967

1968

1969

1970

1971

1972

1973

1974

1975

1976

1977

1978

1979

1980

1981

1982

1983

1984

1985

1986

1987

1988

1989

1990

1991

1992

1993

1994

1995

1996

1997

1998

1999

2000

2001

2002

2003

2004

2005

2006

2007

2008

2009

2010

2011

2012

2013

2014

2015

2016

2017

2018

2019

2020

2021

2022

2023

2024

2025

2026

2027

2028

2029

2030

2031

2032

2033

2034

2035

2036

2037

2038

2039

2040

2041

2042

2043

2044

2045

2046

2047

2048

2049

2050

2051

2052

2053

2054

2055

2056

2057

2058

2059

2060

2061

2062

2063

2064

2065

2066

2067

2068

2069

2070

2071

2072

2073

2074

2075

2076

2077

2078

2079

2080

2081

2082

2083

2084

2085

2086

2087

2088

2089

2090

2091

2092

2093

2094

2095

2096

2097

2098

2099

2100

2101

2102

2103

2104

2105

2106

2107

2108

2109

2110

2111

2112

2113

2114

2115

2116

2117

2118

2119

2120

2121

2122

2123

2124

2125

2126

2127

2128

2129

2130

2131

2132

2133

2134

2135

2136

2137

2138

2139

2140

2141

2142

2143

2144

2145

2146

2147

2148

2149

2150

2151

2152

2153

2154

2155

2156

2157

2158

2159

2160

2161

2162

2163

2164

2165

2166

2167

2168

2169

2170

2171

2172

2173

2174

2175

2176

2177

2178

2179

2180

2181

2182

2183

2184

2185

2186

2187

2188

2189

2190

2191

2192

2193

2194

2195

2196

2197

2198

2199

2200

2201

2202

2203

2204

2205

2206

2207

2208

2209

2210

2211

2212

2213

2214

2215

2216

2217

2218

2219

2220

2221

2222

2223

2224

2225

2226

2227

2228

2229

2230

2231

2232

2233

2234

2235

2236

2237

2238

2239

2240

2241

2242

2243

2244

2245

2246

2247

2248

2249

2250

2251

2252

2253

2254

2255

2256

2257

2258

2259

2260

2261

2262

2263

2264

2265

2266

2267

2268

2269

2270

2271

2272

2273

2274

2275

2276

2277

2278

2279

2280

2281

2282

2283

2284

2285

2286

2287

2288

2289

2290

2291

2292

2293

2294

2295

2296

2297

2298

2299

2300

2301

2302

2303

2304

2305

2306

2307

2308

2309

2310

2311

2312

2313

2314

2315

2316

2317

2318

2319

2320

2321

2322

2323

2324

2325

2326

2327

2328

2329

2330

2331

2332

2333

2334

2335

2336

2337

2338

2339

2340

2341

2342

2343

2344

2345

2346

2347

2348

2349

2350

2351

2352

2353

2354

2355

2356

2357

2358

2359

2360

2361

2362

2363

2364

2365

2

CH

The theory of phosphatization of metals and its application. V. I. Yul'fon. *Korrosiya i Borba s Nей* 5, 7-22 (1939).—On boiling phosphatizing solutions, free H₂PO₄ is formed according to $8M(H_2PO_4)_3 + 2M_2HPO_4 + M_2O \rightarrow (PO_3)_x + 6H_2PO_4$, in which M is Mn or Fe. M₂(PO₃)_x and M₂HPO₄ ppt. on the surface of the metal as a protective film. The process takes place at room temp. at pH 1 to 5. Increase of temp. increases the stability sharply; at 100° the pH dropped to 1.2 in one case and to 1.7 in another. With greater contents of Mn in the phosphatizing solution less H₂ is formed and the film produced is far more stable. Surfaces mechanically treated and defatted before phosphatization become coated with a film that is finely crystalline and 0.001–0.004 mm. thick. The process is completed in 20 min. Surfaces etched in acids and washed with H₂O before phosphatization have a coarsely crystalline film 0.006–0.011 mm. thick. Metal contg. crystalline film 0.008–0.011 mm. thick. was made corrosion-resistant by phosphatization, and its resistance was increased by application of oil to the phosphatized surface. Iron contg. C 0.16, P 0.029, Cu 0.16, Mn 0.51, Cr 0.05% and traces of Ni, Si and S after phosphatization was resistant to cementation.

C. S. Shapiro

C. S. Shapiro

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

VUL'FSON, V., dotsent; PUTOV, V., starshiy inzhener; SHUSTER, D., mladshiy
nauchnyy sotrudnik

Ship laboratory for the analysis of petroleum products. Mor. flot 22
no.7:23-25 JI '62. (MIRA 15:7)

1. Leningradskoye vyssheye inzhenernoye morskoye uchilishche im.
admirala Makarova.

(Lubrication and lubricants--Testing)
(Marine diesel engines--Lubrication)

VUL'FSON, V., kand.khim.nauk

D.M.Mendeleev and the merchant marine. Mor.flot 20 no.10:42 0 '60.
(MIRA 13:10)

1. Zaveduyushchiy kafedroy khimii Leningradskogo vysshego
inzhenernogo morskogo uchilishcha.
(Mendeleev, Dmitrii Ivanovich, 1834-1907) (Merchant marine)

VUL'FSON, V.

B.T.

1/19

V. Vul'fson and others, Russian Developments
in Phosphate Coating (Report on All-Soviet
Convention on Phosphate Coating). KORROZIYA
I BOR'BA S NEI, vol. 5, 1939, pp. 6-125;
2200 words.

1

CA

Protective phosphate coatings on iron. V. I. Vul'fon. *Trudy Konferentsii Korrozii Metal*, 2, 30-74 (1963); cf. C.A. 36, 3781. --Various kinds of phosphate treatment are reviewed. Bonderizing affords less protection than treatment with 3% $Mn(H_2PO_4)_2$. Spring wire becomes too brittle after phosphatizing. Sandblasting is a better pretreatment than is pickling. The bath temp. must be kept within a narrow range; e.g., treatment at 60° gives consistently better results than that at 40° or 110°. H. C. P. A.

ASSOCIATED METALLURGICAL LITERATURE CLASSIFICATION

VUL'FSON, V.I.

Founder of the new science of marine chemistry V.I. Vernadskii.
Okeanologiya 4 no.2:193-204 '64. (MIRA 17:5)

1. Leningradskoye vyssheye inzhenernoye morskoye uchilishche
imeni admirala S.O. Makarova.

VUL' FSON V.I.

VUL' FSON, V.I., kandidat khimicheskikh nauk.

Metal corrosion tests in sea water. frudy kom. po bor'. s
korr.met. no.1:44-57 '51. (MLRA 10:8)

1.Vysshaye morskoyearkticheskoye uchilishche, Leningrad.
(Metals--Corrosion)
(Sea water)

VUL'FSON, V.I.; ALEKSEYEVA, M.D.

Using the permanganate method for determination of oxygen diluted
in water. Gidrokhim. mat. 26:226-229 '57. (MIRA 10:8)

1. Leningradskoye vyssheye inzhenernoye morskoye uchilishche im.
adm. Makarova.

(Oxygen) (Water--Analysis) (Permanganates)

Vul'fson, V.I.

26-58-6-27/56.

AUTHOR: Vul'fson, V.I., Candidate of Chemical Sciences

TITLE: Forms of Water Migration in Nature (Formy migratsii vody v prirode)

PERIODICAL: Priroda, 1958, Nr 6, p 97-100 (USSR)

ABSTRACT: The hydrosphere has geochemical laws of its own, mainly determined by the properties of water, which makes up the major part of its mass (over 96%). Water migration in nature consists of a large number of cycles which can be combined in a main system, consisting of: mechanical, physical, physico-chemical, chemical, biotic and technical cycles, as shown in the table.
There is 1 table and 5 Soviet references.

ASSOCIATION: Leningradskoye vyssheye inzhenernoye morskoye uchilishche imeni admirala S.O. Makarova (Leningrad Higher Naval Engineer School imeni Admiral S.O. Makarov)

Card 1/1 1. Water-Migration

VUL'FSON, V.I.

"Treasures hidden in the Atlantic Ocean." Okeanologia
4 no.2:366 '64. (MIRA 17:5)

VUL'FSON, V.I.

Feedwater treatment and water conditions in the steam power
systems of merchant ships. Vodopod., vod. rezh. i khimkont.
na parosil. ust. no.1:26-32 '64. (MIRA 18:2)

1. Leningradskoye vyssheye inzhenernoye morekhodnoye uchilishche
imeni admirala S.O. Makarova.

AKHUMOV, Ye.I.; VUL'FSON, V.I.; GRIGORIADI, P.K.; MAKSIMYUK, Ye.A.;
RAZUMOVSKIY, V.V.; UGOL'NIKOVA, G.A.

Chemistry and radio engineering. Izv. vys. ucheb. zav.; radiotekh.
4 no.4:502-503 J1-Ag '61. (MIRA 14:11)

1. Komissiya seksii prepodavaniya Leningradskogo oblastnogo prav-
leniya Vsesoyuznogo khimicheskogo obshchestva imeni D.I.Mendeleyeva.
(Radio) (Chemistry)

VUL'FSON, V.I., kand.khimicheskikh nauk, dotsent

Water migration in nature in the form of cycles. Uch. zap. LVIMU
no.13:87-102 '59. (MIRA 13:9)

1. Kafedra obshchey khimii Leningradskogo vysshego inzhenernogo
morskogo uchilishcha im. admirala Makarova.
(Hydrology)

VUL'FSON, Ye.A.

State of immunity to diphtheria in urban children of Tomsk
Province according to the Schick reaction. Trudy Tom NIIVS
12:118-122 '60 (MIRA 16:11)

1. Tomskiy nauchno-issledovatel'skiy institut vaktsin i sy-
vorotok.

*

L 10415-67 ENT(1) JK

ACC NR: AP6029957

SOURCE CODE: UR/0413/66/000/015/0139/0139

AUTHORS: Olifson, L. Ye.; Uvarov, A. A.; Dumova, Yu. M.; Vul'fson, Ye. F. 29

ORG: none

TITLE: A method for imparting bactericidal properties to filter paper. Class 49, No. 184608

SOURCE: Izobret prom obraz tov zn, no. 15, 1966, 139

TOPIC TAGS: bactericide, zinc compound, potassium compound

ABSTRACT: This Author Certificate presents a method for imparting bactericidal properties to filter paper by soaking the latter in a solution of chemicals. First, the paper is saturated with zinc sulfate, then it is dried, and finally it is saturated with potassium butylxanthogenate and dried again. The solutions of zinc sulfate and potassium butylxanthogenate may be prepared in a 1% concentration.

SUB CODE: 06/ SUBM DATE: 19May65

Card 1/1 *bp*

UDC: 676.391

VUL'FSON, Ye.K.

Separating properties of an electric field produced by electrodes
consisting of a system of converging pieces of wire. Uch.zap.Mosk.
gor.ped.inst. 85:69-73 '58. (MIRA 14:10)
(Electrostatic separators)

GAL'BINSHTEYN, Z.N., inzh.; IL'INA, N.F., inzh.; NAUMOVA, M.V., inzh.;
 FILINA, T.A., inzh.; KHODOS, M.M., inzh.; GOL'DMAN, Zh.I.;
 PATALAKH, V.G.; SNESAREV, M.M.; VUL'PSCH, Ye.S., inzh.;
 KONSTANTINOVA, L.A., inzh.; SKOBELEVA, A.M., inzh.; TEL'NOVA,
 Ye.V., inzh.; KHEYFETS, L.S., inzh.; SELJNEVICH, A.S.;
 NEDOVESENKO, M.V.; VOLKOVA, A.Ye.; NOVITSKIY, L.M., nauchn.red.;
 NEFEDOV, S.F., red.; ROSTOTSKIY, V.K., red.; GORDEYEV, P.A., red.
 izd-va; YUDINA, L.A., red.izd-va; VDOVENKO, Z.I., red.izd-va;
 GOL'BERG, T.M., tekhn.red.; KOROBEKOVA, N.I., tekhn. red.

[Album of new construction equipment recommended for adoption]
 Al'bom novoi stroitel'noi tekhniki, rekomenduemoi k vnedreniiu.
 Moskva, Gosstroizdat, 1963. No.1. [Industrial construction] Pro-
 myshlennoe stroitel'stv. 116 p. No.3. [Construction for transporta-
 tion purposes] Transportnoe stroitel'stvo. 91 p. No.4. [Rural
 construction] Sel'skoe stroitel'stvo. 71 p. No.5. [Building
 materials, products, and elements] Stroitel'nye materialy, izde-
 lliia i konstruktsii. 41 p. No.8. [Construction and road machinery
 and equipment] Stroitel'nye i dorozhnye mashiny i oborudovanie.
 104 p. (MIRA 16:8)

(Building materials) (Road machinery)
 (Construction equipment)

SLEDE, Igons; VECVAGARS, Ziedonis; BINDE, Gunars; VULFSONE, E.,
red.

[Bridges] Tilti. Riga, Latvijas Valsts izd-ba, 1964.
399 p. [In Latvian] (MIRA 17:6)

VIKMANIS, Edgars; VULFSONE, E., red.; PASTARE, D., tekhn. red.

[Practice in highway construction in the Latvian S.S.R.]
Latvijas PSR automobiļu celu būvniecības pieredze. Rīga,
Latvijas Valsts izdevniecība, 1960. 137 p. (MIRA 15:2)
(Latvia--Road construction)

LUSIS, Juris; SIEDE, Egons; CAILIS, K., kand. tekhn. ~~nauk~~, retsenzent;
SILINS, L., преподаvatel', retsenzent; VULFSONE, E., red.;
SPORANE, V., tekhn. red.

[Statics of structures] Buvstatika. Riga, Latvijas Valsts
izdevnieciba, 1961. 346 p. (MIRA 15:2)
(Structures, Theory of) (Statics)

BIRMAN, A.M.; JURJANE, E. [translator]; ZVAIGZNIE, Z. [translator];
VULFSONE, E., red.; ZAGARS, A., tekhn. red.

[Learn to manage; articles on the economics of enterprises] Macies saimniekot; stasti par uzņēmuma ekonomiku. Tulkots no otra izdevuma, ar autora papildinājumiem. Rīga, Latvijas valsts izd-va, 1962. 413 p. Translated from the second edition with the author's supplements.
(MIRA 17:1)

SVARCS, K.; VULFSONE, E., red.; SILINS, V., tekhn. red.

[Chemistry of light; photochemical reactions] Gaismas kimija;
fotokimiskas reakcijas. Riga, Latvijas Valsts izdevnieciba,
1961. 85 p. (MIRA 15:2)

(Photochemistry)

ANTEINS, Aleksis; VULFSONE, E., red.

[Molding materials, mixtures and their testing]
Formšanas materiāli, maisījumi un to pārbaudes. Rīga,
Latvijas Valsts izdevniecība, 1965. 75 p. [In Latvian]
(MIRA 18:6)

BERENFELDS, Valdis; VULFSONE, E., red.

[Form grinding] Profilselipesana. Riga, Liettua, 1945. 91 p.
[In Latvian] (MIRA 18:6)

LIBEEMANIS, Leonids; JANSONS, Vladimirs; VULFONE, E., red.;
SPORANE, V., tekhn. red.

[Plastic sliding bearings] Plastmasas slidgultni. Riga,
Latvijas Valsts izdevnieciba, 1962. 61 p. (MIRA 16:5)
(Plastic bearings)

ALKSNE, Valenina; BERZINS, Rolands; VULFSONE, Ya., red.

[Glass plastics, material of the future] Stikla
plastī nakotnes materials. Rīga, Latvijas Valsts
izd-va, 1964. 73 p. [In Latvian] (MIRA 18:1)

VULGAKOV, E.B., inzh.

Equilifted gear transmission with a contact pole located
in the area of simultaneous contact of two pairs of teeth.
Trudy NIIKHIMMASH no.26:207-225 '58. (MIRA 13:7)
(Gearing, Spur)

VULGAKOV, E.B., inzh.

Base contour of involute gear meshing. Test.mash. 41 no.1:32-38
Ja '61. (MIRA 14:3)

(Gearing)

8/122/61/000/001/004/015
A161/A130

AUTHOR: Vulgakov, E. B., Engineer

TITLE: The problem of the basic profile of involute gear teeth

PERIODICAL: Vestnik mashinostroyeniya, no. 1, 1961, 32 - 38

TEXT: The article concerns the Soviet standard basic rack profile [ГОСТ 3058-54 (GOST 3058-54)] presenting the continuation of the first of 1934 [ОСТ/ВКС 6922 (OST/VKS 6922)] having been introduced to make possible a centralized production of gear cutting tools and to make gear transmissions interchangeable. Various modifications had been suggested meanwhile, and new basic profiles are used abroad, e.g., the U.S. AGMA 201.02, 1958 standard, and some of the leading machine plants in the USSR are already using modified nonstandard rack profiles (see Figure, portion of Table 1 comparing the profiles used in the USSR, Belgium, Netherlands, France, Poland, and the U.S.). It is obvious that the involute gear tooth load bearing capacity can be considerably raised and the gear transmission weight reduced. The author advocates a revision of GOST 3058-54 and an experimental investigation to establish the rational application fields for modified gears

Card 1/3

The problem of the basic profile of involute

S/122/61/000/001/004/015
A161/A130

with other than the present standard 20° pressure angle. The effect of the pressure angle (α_0) changed to 25°, 30° and some other values is graphically analyzed to prove the positive effect. Experiments are mentioned (by Engineer B. S. Shul-eyko) in which it has been proven that the load capacity of gears cut with modified rack tool and corrected can be raised by 70 %. The article includes a graphical determination of the permissible fields of application of involute gears cut with modified rack tools, with the use of the "blocking contour method" (Ref. 4: M. B. Groman, "Vestn. mashinostroyeniya", no. 2, 1955). There are 6 figures, 2 table and 6 Soviet-bloc references.

Card 2/3

VULGAKOV, E.B.; GAVRILENKO, V.A., prof., doktor tekhn. nauk, retsenzent;
GROMAN, M.B., inzh., red.; LESHICHENKO, I.I., red. izd-va;
MAKAROVA, L.A., tekhn. red.

[Gears with modified initial rake contour] Zubchatye peredachi
modifitsirovannogo iskhodnogo reechnogo kontura. Moskva, Mash-
giz, 1962. 98 p. (MIRA 16:2)

(Gearing)

GOLUBOVIC, Vasilije, dr inz., docent (Beograd, Karnedzijeve 4);
VULICEVIC, Bogoljub, inz.

Determination of certain impurities in calcium chloride
with the aid of organic reagents. Tehnika Jug 17 no.8:Suppl.:
Hemindustrija 16 no.8:1571-1575 Ag '61.

1. Tehnoloski fakultet Univerziteta u Beogradu (for Golubovic).
2. Sluzbenik Azotare "Pancevo", Pancevo (for Vulicevic).

ATANACKOVIC, Ana, dr; VUCINIC-ARANDELOVIC, Radmila, dr.; VULICEVIC, Milena,
dr.; KNEZEVIC, Svetozar, dr.; VRHOVAC, Milos, dr.

Mitral defects in infants and pre-school children. Med.glasn. 14 no.4:
212-214 Ap '60.

1. Interna klinika B Medicinskog fakulteta u Beogradu (Upravnik: prof.
dr R.Perovic)
(MITRAL VALVE dis)

VULICEVIC, Radojko, inz.

Railroad electrification and electric industries. Elektro-
privreda 16 no.6/7:270-277 Je-JI'63.

LAUNDER, G.W., M.A.; VULICEVIC, Radojko, inz. [translator]

System of railroad contact network. Elektroprivreda 15 no.11/12:
509-513 N-D '62.

1. British Insulated Callender's Construction Co Ltd. (for Launder).

VULICHANOVA, St.

Gastric cancer and its cytostatic treatment. Nauch. tr.
vissh. med. inst. Sofia 41 no.2:101-104 '62.

1. Predstavena ot prof. G. Popov.
(STOMACH NEOPLASMS) (ANTINEOPLASTIC AGENTS)

VULIK, L. A.

"Thermodynamics of Gas Flows." GOSENERGOIZDAT. (1950)

VULIKH, A.I. (Novosibirsk); BOGATYREV, V.I. (Novosibirsk)

Ion exchange method of producing hydrobromic and hydroiodic acids. Izv. Sib. otd. AN SSSR no.8:53-54 '62. (MIRA 17:8)

15000
S/019/62/000/009/002/125
A154/A126

AUTHORS: Vulikh, A.I.; Makovetskiy, M.I.; Prikhod'ko, L.D.

TITLE: A method of obtaining lithium oxide

PERIODICAL: Byulleten' izobreteniy, no. 9, 1962, 16

TEXT: Class 121, 16. No. 146730 (737660/23-4 of July 11, 1961). A method of obtaining lithium oxide is by thermal decomposition of caustic lithium monohydrate in corundum furnaces at a temperature of 900 - 1,000°C in a vacuum of 1 mm Hg. It is distinguished by the fact that, to raise the yield of the product and increase its purity, the initial product is first heated for 2 - 3 h at a temperature of 250 - 300°C in a vacuum of 600 mm Hg and is then treated by known means.


Card 1/1

S/019/62/000/007/045/088
A154/A126

AUTHORS: Vulikh, A.I.; Sklyarenko, S.I.; Smirnov, I.V.; Rysev, A.P.

TITLE: A method of producing lithium hydroxide

PERIODICAL: Byulleten' izobreteniy, no. 7, 1962, 42

TEXT: Class 40c, 5. No. 146048 (693751/22-2 of January 16, 1961). A method of producing lithium hydroxide from lithium chloride by electrolysis of an aqueous solution on a solid cathode with a diaphragm and a circulating electrolyte is described. It is distinguished by the fact that the solution is concentrated by evaporation after electrolysis and is then crystallized to separate the lithium hydroxide. 

Card1/1